

CODED BY

DECK

CRUISE

VESSEL

Punched and Verified

By \_\_\_\_\_ Date \_\_\_\_\_

CRUISE VESSEL DECK TWO BY CODED BY

CODED BY hsc

120 87-100000

DECK

CRUISE

VESSEL —

Punched and Verified

Date \_\_\_\_\_  
By \_\_\_\_\_

CODED BY -

DECK

## VESSEL    CRUISE

Punched and Verified

Date

04707001509156706001331321310311890	183017	032037046549052063075092128135
100033202219033194	191023	036094049060021029845121170240
120033202241034194	194010	04306706109308097129100128255
140033202302035194	203042	0110600561
150033191320036200	203040	06267489065092117131100200
160033202383037200	205030	011067975091119123137100200
17003320246038200	204030	07805506102011217515212925
180033202441037200	206037	053057068070100125140173226
190033222534040200	207010	054064072072098103135175202270
200033212558041200	210005	055067075082078205108122170235
210033092619042200	206000	047052060065012093119133125260
220033092619042200	206000	04906006908001107127143200
230033092626049211	213024	053063068074078104137175230
0470700150916671400132301372045211	217074	0180310480561
160032002601046222	217000	063013013105128100159188230
170032312135047222	217028	065075105131152164185205235
180032402651504222	217000	070042112138143157175285263
190032402651504222	217000	056068082104137157173194
200032402651504222	2170033	060067081105121140168112257
210032402651504222	2170033	0000050450501

CODE BY

punched and verified

Date \_\_\_\_\_  
By \_\_\_\_\_

DECK

## VESSEL CRUISE

CODED BY

TIME OF FORMATION

DECK

CRUISE

VESSEL

Punched and Verified

By Date

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
04000200150919671800130502359077222	220020	087102113130143163202	00000320480570621																																																																												
2000030492338718222	219011	070077095110124142175241	0180450550621																																																																												
2000030512252049222	221020	058069076088105130170200	020041943068071																																																																												
0400030552212080223	219020	051060074039107126170265	0250380420431																																																																												
060003059214211233	218020	05108009011212715195261	0280310420501																																																																												
0800031042133072211	219018	077290103110136160195270	0240300520571																																																																												
0400200161017670400135092201003145	161000	010016029533041051143																																																																													
06000350121300011142	160000	00002503043900508210320																																																																													
0800035002255005160	162000	032037042045053063014142352																																																																													
1000035002308006182	175030	00420410500330761291129201																																																																													
1200036002329007182	177040	070400430496520550610740901301200																																																																													
140003459240008180	170020	020410023025026038053075165																																																																													
1600034592417009167	176046	0460200905005505730001018122																																																																													
2000035062417010171	196040	067059070950821	0400621																																																																												
060003408254011170	2000062	0708309509011210415135	0250650701																																																																												
0400034562615012172	2000055	0690770860981201351517020	0300600851																																																																												
09002001610176708001301726013198	196052	061068075080090110185150215	0540561																																																																												
1000034132609018178	195050	062066078085097111315154220	0540561																																																																												
1200034132547015191	195055	06807707094110128150173215	0570631																																																																												
1400034123258016171	196050	0570630730841003125148175245	0570631																																																																												
1600034112501017173	196050	062065074093095110133158250	0570631																																																																												
1800034102441018191	193046	064067072076028117137153215	0520571																																																																												
2000034092419010171	179015	03003804044056070110128175	0511																																																																												
19000000034082333020167	182040	044045047052052064082101120																																																																													
0400034082245021167	183050	0540850257061066073090123125	0521																																																																												
0600034072222022167	185025	045048053062080091120137190265	0281																																																																												
0800034062159023182	183050	056062067075090110120148224	0520551																																																																												
1000034052139028186	183030	037038040046055073095126205	0361																																																																												

CODED BY

## CRUISE CLUB DECK

## VESSEL CRUISE

CODED BY -

- DECK

CRUISE

VESSEL -

Punched and Verified

Date \_\_\_\_\_  
By \_\_\_\_\_

SHEET 7 OF 7 SHEETS																																																																															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
0400200161022670600132172105052211	188037	0440497049058067081100120185275	035011																																																																												
0400200161022671000131412114054200	194035	644051058065070085105144220	0400581																																																																												
120031422133055194	195033	060067079095112125137156210	0400471																																																																												
140031412155056200	197040	057062072072028115133155217	0430581																																																																												
160031402217057200	196038	059066073083095113129160208	0230231																																																																												
180031402238058200	191012	0430530590720871037118146290267	0150501																																																																												
200031402258059200	192024	0530590670760800451260849206	0500551																																																																												
2200000021397340060194	197045	064073083093107123132165270	0500571																																																																												
040031692028061200	194045	060070090099113125141180230	0620451																																																																												
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080031372502063190	197055	064070070101130150167193287	0570590571																																																																												
100031392528065211	2002055	01108009214514917217920080	0580670891																																																																												
120031362501065211	215055	0760200700110162190190218235	0550570620																																																																												
1400313734261066211	205051	072090100130160174183207275	0550570620																																																																												
160031252628067211	204052	076080103125153175205229	0560600681																																																																												
04002001610223672000130522618069190	203047	093054083100129146163190220255	0930540831																																																																												
24000030502536070194	203046	063071081100129151169207355	0630520551																																																																												
040030502451071190	202051	066075091120143160172200267	0570600631																																																																												
060030502431072190	201056	073080032108125138147193235	0590621																																																																												
080030492010073211	197058	066073083092110125119185250	043081																																																																												
100030502372074211	196040	053062075086105117135165230	0500521																																																																												
120030602332075211	195049	060067077087104123140168215	0420421																																																																												
140030522310076211	182040	053057071082100113130160213	0430471																																																																												
180030542229077187	195040	052058066075081101117150210	0430471																																																																												

VESSEL CODE	CRUISE NO.	MONTH	DAY	YEAR	HOUR	DEPTN	LATITUDE	LONGITUDE	B.T. No.	BUCKET TEMP. °C	SS	ST	ML	DEPTH OF ISOTHERM																							
														29°	28°	27°	26°	25°	24°	23°	22°	21°	20°	19°	18°	17°	16°	15°	14°	13°	12°	11°	10°	9°	8°		
37	2	9	30	67	800	1	3410	2607	71	189	0209	40	0	0	0	0	0	0	0	0	0	0	43	52	60	72	77	80	92	112	124	147	205	275	0		
37	2	9	30	67	2000	1	3407	2348	91	189	0202	32	0	0	0	0	0	0	0	0	0	0	34	40	50	52	54	65	77	93	118	145	205	0	0		
37	2	9	30	67	2400	1	3407	2258	101	189	0198	28	0	0	0	0	0	0	0	0	0	0	34	42	48	55	62	70	85	94	122	180	235	0	0		
37	2	10	01	67	400	1	3407	2205	111	189	0206	25	0	0	0	0	0	0	0	0	0	0	28	35	45	55	62	70	88	101	113	136	190	0	0		
37	2	10	01	67	800	1	3407	2120	121	189	0195	26	0	0	0	0	0	0	0	0	0	0	30	31	33	39	45	50	62	82	92	145	250	0	0		
37	2	10	01	67	1200	1	3320	2120	132	00	0200	28	0	0	0	0	0	0	0	0	0	0	10	34	36	40	44	47	57	70	78	93	145	230	0	0	
37	2	10	01	67	1600	1	3321	2205	142	00	0194	32	0	0	0	0	0	0	0	0	0	0	35	37	38	42	49	57	75	87	102	142	215	0	0		
37	2	10	01	67	2000	1	3320	2244	151	183	0209	30	0	0	0	0	0	0	0	0	0	0	34	37	44	53	62	84	97	115	136	160	203	0	0		
37	2	10	02	67	0	1	3319	2340	161	189	0212	36	0	0	0	0	0	0	0	0	0	0	30	40	43	50	58	72	82	115	132	147	176	231	0	0	
37	2	10	02	67	400	1	3318	2430	170	0	0212	26	0	0	0	0	0	0	0	0	0	0	27	30	37	48	58	65	73	90	117	150	170	215	0	0	
37	2	10	02	67	800	1	3316	2528	182	00	0206	45	0	0	0	0	0	0	0	0	0	0	46	49	56	61	65	74	78	85	102	130	163	232	0	0	
37	2	10	02	67	1200	1	3315	2556	191	189	0202	33	0	0	0	0	0	0	0	0	0	0	30	35	40	46	58	65	71	86	112	123	140	185	253	0	0
37	2	10	02	67	1500	1	3233	2558	200	0	0220	30	0	0	0	0	0	0	0	5	33	35	37	48	57	70	101	138	152	165	187	215	0	0			
37	2	10	02	67	2000	1	3232	2511	211	189	0217	30	0	0	0	0	0	0	0	0	0	0	34	40	52	58	67	83	100	118	144	160	200	232	0	0	
37	2	10	03	67	0	1	3231	2430	221	189	0209	26	0	0	0	0	0	0	0	0	0	0	30	37	45	55	62	78	108	128	153	173	202	262	0	0	
37	2	10	03	67	400	1	3230	2350	231	0	0204	33	0	0	0	0	0	0	0	0	0	0	37	48	57	62	70	82	93	110	117	144	174	250	0	0	
37	2	10	03	67	800	1	3229	2310	242	00	0200	10	0	0	0	0	0	0	0	0	0	0	5	27	37	42	48	57	65	77	90	120	142	230	0	0	
37	2	10	03	67	1200	1	3230	2217	252	00	0200	26	0	0	0	0	0	0	0	0	0	0	15	32	35	37	43	50	62	65	73	81	105	187	0	0	
37	2	10	03	67	1600	1	3225	2125	262	00	0208	30	0	0	0	0	0	0	0	0	0	0	34	37	41	51	58	64	73	82	102	128	174	237	0	0	
37	2	10	03	67	2000	1	3153	2059	271	194	0207	40	0	0	0	0	0	0	0	0	0	0	42	43	44	46	55	69	77	91	113	132	161	233	0	0	
37	2	10	04	67	400	1	3143	2230	290	0	0207	41	0	0	0	0	0	0	0	0	0	0	42	49	53	62	70	83	96	111	128	147	182	258	0	0	
37	2	10	04	67	800	1	3137	2320	301	189	0204	30	0	0	0	0	0	0	0	0	0	0	35	47	56	62	70	78	92	110	124	135	176	260	0	0	
37	2	10	04	67	1200	1	3135	2406	311	189	0208	35	0	0	0	0	0	0	0	0	0	0	37	43	52	60	66	80	98	117	131	150	183	262	0	0	
37	2	10	04	67	1600	1	3138	2503	321	189	0210	25	0	0	0	0	0	0	0	0	0	0	32	44	60	70	78	88	102	120	138	162	207	0	0		

EAC 25 - LT 2085

DEPTHS OF ISOTHERM

## EAC 22-HALL

VES	CR	DATE	HR	D	LAT	LONG	N	BT	SS	ST	ML	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	
2	14	82967	9001	13321	2059	1	182	0175	14														18	26	32	43	52	56	64	77	140	202		
2	14	82967	1200	13319	2127	2	178	0183	20	0	0	0	0	0	0	0	0	0	0	0	0	0	22	25	30	35	40	43	49	62	90	148	228	
2	14	82967	1600	13315	2212	3	177	0175	5															21	35	38	45	50	65	86	100	155	225	
2	14	82967	2000	13316	2259	4	180	0185	15	0	0	0	0	0	0	0	0	0	0	0	0	0	20	48	52	57	75	95	115	135	152	188	265	
2	14	83067	01	13321	2338	5	184	0187	30	0	0	0	0	0	0	0	0	0	0	0	0	0	32	38	42	51	73	123	135	150	160	182	250	
2	14	83067	4001	13325	2418	6	188	0190	25	0	0	0	0	0	0	0	0	0	0	0	0	0	10	32	44	58	63	72	78	90	105	122	195	265
2	14	83067	8001	13326	2507	7	188	0187	15	0	0	0	0	0	0	0	0	0	0	0	0	0	30	43	58	71	81	85	92	102	115	160	225	
2	14	83067	1200	13323	2550	8	189	0189	8	0	0	0	0	0	0	0	0	0	0	0	0	0	28	32	47	51	57	64	75	84	100	145	220	
2	14	83067	1500	13316	2626	9	186	0192	35	0	0	0	0	0	0	0	0	0	0	0	0	0	8	35	40	50	55	58	67	80	95	118	188	257
2	14	83067	2000	13236	2629	10	190	0199	20	0	0	0	0	0	0	0	0	0	0	0	0	0	33	40	45	55	67	100	125	150	168	185	230	
2	14	83167	01	13233	2545	11	189	0196	17	0	0	0	0	0	0	0	0	0	0	0	0	0	25	36	45	55	63	90	120	145	160	176	230	
2	14	83167	4001	13232	2503	12	189	0188	20	0	0	0	0	0	0	0	0	0	0	0	0	0	35	38	46	55	77	105	125	140	160	195	0	
2	14	83167	8001	13232	2417	13	188	0187	24	0	0	0	0	0	0	0	0	0	0	0	0	0	33	39	45	55	85	115	127	144	160	205	260	
2	14	83167	1200	13230	2333	14	189	0189	28	0	0	0	0	0	0	0	0	0	0	0	0	0	45	49	52	57	70	92	127	147	155	200	268	
2	14	83167	1600	13230	2302	15	200	0185	25	0	0	0	0	0	0	0	0	0	0	0	0	0	26	50	54	58	64	77	95	108	129	180	255	
2	14	83167	2100	13230	2219	16	194	0179	25														30	48	55	62	70	80	103	125	170	230		
2	14	90167	01	13225	2142	17	189	0174	28														36	50	57	63	74	82	92	114	170	240		
2	14	90167	4001	13225	2115	18	189	0178	28														41	53	60	65	75	94	108	132	175	240		
2	14	90167	1200	13140	2127	20	189	0183	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38	45	58	70	78	89	110	127	158	205	0	
2	14	90167	1600	13141	2209	21	186	0185	30	0	0	0	0	0	0	0	0	0	0	0	0	0	37	43	53	65	81	108	115	133	155	206	0	
2	14	90167	2000	13138	2257	22	183	0188	30	0	0	0	0	0	0	0	0	0	0	0	0	0	32	50	58	76	88	98	115	133	160	217	0	
2	14	90267	01	13139	2314	23	185	0189	37	0	0	0	0	0	0	0	0	0	0	0	0	0	41	52	58	73	93	108	123	140	163	220	0	
2	14	90267	4001	13139	2402	24	189	0187	30	0	0	0	0	0	0	0	0	0	0	0	0	0	35	63	70	80	110	120	132	145	168	202	263	
2	14	90267	8001	13140	2440	25	189	0193	27	0	0	0	0	0	0	0	0	0	0	0	0	0	31	59	63	75	88	117	138	151	167	191	240	
2	14	90267	1200	13140	2512	26	189	0195	30	0	0	0	0	0	0	0	0	0	0	0	0	0	37	55	60	74	90	110	130	162	175	200	0	
2	14	90267	1500	13137	2542	27	189	0196	28	0	0	0	0	0	0	0	0	0	0	0	0	0	32	47	54	62	74	95	120	147	163	180	233	
2	14	90267	2000	13130	2617	28	187	0201	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15	37	60	77	90	120	139	157	169	186	205	267
2	14	90367	4001	13056	2554	30	189	0196	22	0	0	0	0	0	0	0	0	0	0	0	0	0	42	60	65	100	125	137	160	173	190	215	270	
2	14	90367	8001	13058	2512	31	200	0195	29	0	0	0	0	0	0	0	0	0	0	0	0	0	40	53	62	73	94	107	130	139	164	192	235	
2	14	90367	1200	13056	2																													

EAC 24-HALL

VES	CR	DATE	HR	D	LAT	LONG	N	BT	SS	ST	ML	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	
2	15	91467	600134102458	21210	0200	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	37	44	53	58	65	80	90	120	140	180	0	
2	15	91467	800134102434	22202	0199	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	37	45	55	65	70	78	90	113	130	170	255	
2	15	914671000134102418	23201	0196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	48	55	64	74	82	90	98	119	131	158	247	
2	15	914671200134112351	24201	0197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	45	50	60	66	74	78	94	115	137	200	0	
2	15	914671400134122333	25201	0196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	31	43	48	55	66	75	80	108	125	155	240	
2	15	914671600134112308	26200	0199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	49	60	66	75	80	85	89	104	121	150	225	
2	15	914671800134092242	27200	0197	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	30	40	45	50	63	71	83	97	112	150	201	
2	15	914672000134082220	28200	0192	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	11	36	38	43	49	54	73	85	104	140	240	
2	15	91567	0133572137	29200	0184	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	23	32	34	35	47	55	65	81	120	202	
2	15	91567	600133232132	31194	0183	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	32	37	44	48	52	63	75	92	128	195		
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2	15	91767</																																



VES	CR	DATE	HR	D	LAT	LN	BT	SS	ST	ML	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
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